

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/659,869A
Source: IFW16
Date Processed by STIC: 09/19/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/19/2005

PATENT APPLICATION: US/10/659,869A

TIME: 10:34:15

Input Set : A:\BB1294 USCNT Corrected Seq List.txt

Output Set: N:\CRF4\09192005\J659869A.raw

3 <110> APPLICANT: Cahoon, Rebecca E.
 4 Fang, Yiwen
 5 Odell, Joan
 6 Weng, Zude
 8 <120> TITLE OF INVENTION: Plant Myb Transcription Factor Homologs
 10 <130> FILE REFERENCE: BB1294USCNT
 12 <140> CURRENT APPLICATION NUMBER: US 10/659,869A
 13 <141> CURRENT FILING DATE: 2003-09-11
 15 <150> PRIOR APPLICATION NUMBER: US 10/021,811
 16 <151> PRIOR FILING DATE: 2001-12-14
 18 <150> PRIOR APPLICATION NUMBER: US 09/452,244
 19 <151> PRIOR FILING DATE: 1999-12-01
 21 <150> PRIOR APPLICATION NUMBER: US 60/110,609
 22 <151> PRIOR FILING DATE: 1998-12-02
 24 <160> NUMBER OF SEQ ID NOS: 63
 26 <170> SOFTWARE: Microsoft Office 97
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 771
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Zea mays
 33 <220> FEATURE:
 34 <221> NAME/KEY: unsure
 35 <222> LOCATION: (4)
 36 <223> OTHER INFORMATION: n is a, c, g or t
 38 <220> FEATURE:
 39 <221> NAME/KEY: unsure
 40 <222> LOCATION: (99)
 41 <223> OTHER INFORMATION: n is a, c, g or t
 43 <220> FEATURE:
 44 <221> NAME/KEY: unsure
 45 <222> LOCATION: (396)
 46 <223> OTHER INFORMATION: n is a, c, g or t
 48 <220> FEATURE:
 49 <221> NAME/KEY: unsure
 50 <222> LOCATION: (470)
 51 <223> OTHER INFORMATION: n is a, c, g or t
 53 <220> FEATURE:
 54 <221> NAME/KEY: unsure
 55 <222> LOCATION: (486)
 56 <223> OTHER INFORMATION: n is a, c, g or t
 58 <220> FEATURE:
 59 <221> NAME/KEY: unsure
 60 <222> LOCATION: (586)

CPg-6)

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61 <223> OTHER INFORMATION: n is a, c, g or t
63 <220> FEATURE:
64 <221> NAME/KEY: unsure
65 <222> LOCATION: (600)
66 <223> OTHER INFORMATION: n is a, c, g or t
68 <220> FEATURE:
69 <221> NAME/KEY: unsure
70 <222> LOCATION: (612)
71 <223> OTHER INFORMATION: n is a, c, g or t
73 <220> FEATURE:
74 <221> NAME/KEY: unsure
75 <222> LOCATION: (615)
76 <223> OTHER INFORMATION: n is a, c, g or t
78 <220> FEATURE:
79 <221> NAME/KEY: unsure
80 <222> LOCATION: (627)
81 <223> OTHER INFORMATION: n is a, c, g or t
83 <220> FEATURE:
84 <221> NAME/KEY: unsure
85 <222> LOCATION: (632)
86 <223> OTHER INFORMATION: n is a, c, g or t
88 <220> FEATURE:
89 <221> NAME/KEY: unsure
90 <222> LOCATION: (658)
91 <223> OTHER INFORMATION: n is a, c, g or t
93 <220> FEATURE:
94 <221> NAME/KEY: unsure
95 <222> LOCATION: (690)
96 <223> OTHER INFORMATION: n is a, c, g or t
98 <220> FEATURE:
99 <221> NAME/KEY: unsure
100 <222> LOCATION: (716)
101 <223> OTHER INFORMATION: n is a, c, g or t
103 <220> FEATURE:
104 <221> NAME/KEY: unsure
105 <222> LOCATION: (724)
106 <223> OTHER INFORMATION: n is a, c, g or t
108 <220> FEATURE:
109 <221> NAME/KEY: unsure
110 <222> LOCATION: (736)
111 <223> OTHER INFORMATION: n is a, c, g or t
113 <220> FEATURE:
114 <221> NAME/KEY: unsure
115 <222> LOCATION: (752)
116 <223> OTHER INFORMATION: n is a, c, g or t
118 <220> FEATURE:
119 <221> NAME/KEY: unsure
120 <222> LOCATION: (758)
121 <223> OTHER INFORMATION: n is a, c, g or t

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123 <400> SEQUENCE: 1

W--> 124 caancgctggg attgttcaat ccgttcgaca tcacaaaatc cacgcacaaa gaagcgacag 60
 125 atgactacga gcaggggtggc caggtcgtgc ggccgcggna gcgacgatga gccggcggtg 120
 126 cgcaaggggc cgtggacgct ggaggaggac ctcatcctcg tcagctacat ctcccagcac 180
 127 ggggagggct cctgggacaa cctcgcgcgcg gcagctggac tgaaccgcaa cggcaagagc 240
 128 tgcaggtctg ggtggctcaa ctacctgagg ccgggggtgc ggcgcggcag catcacggcg 300
 129 ggggaggaca cggcatccg ggagctccac gcgaggtggg ggaacaagtg gtccaagatc 360
 130 tccaagcacc tccccggccg aaccgacaac gagatnaaga actactggag gaccaggatc 420
 131 caacaagaag aacagcaagg agccaagacg acgcaacaac gggaccgtcn acgaccgcca 480
 132 actccnnggc ccggggacga ctactgggtg cacaaccga ccccgacaac aagccatact 540
 133 gcctgcaaaa accccatgca actgcacgcg acaacaaccg gtctcntaac aacaagacan 600
 134 ccccttcggg gncnacaac cagaaanccc cncggcgggg gaatggtaat cacaacanaa 660
 135 attgtaccct ctgtccaact aactttcccn cggcacataa acgtcggctg accttnacaa 720
 136 tcantcttct ccaactnatgc actttgcaac gngtgtantt tgataaacct t 771

138 <210> SEQ ID NO: 2

139 <211> LENGTH: 157

140 <212> TYPE: PRT

141 <213> ORGANISM: Zea mays

143 <220> FEATURE:

144 <221> NAME/KEY: UNSURE

145 <222> LOCATION: (111)

146 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid

148 <220> FEATURE:

149 <221> NAME/KEY: UNSURE

150 <222> LOCATION: (136)

151 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid

153 <400> SEQUENCE: 2

154 Thr Thr Ser Arg Val Ala Arg Ser Cys Gly Arg Gly Ser Asp Asp Glu
 155 1 5 10 15
 157 Pro Ala Val Arg Lys Gly Pro Trp Thr Leu Glu Glu Asp Leu Ile Leu
 158 20 25 30
 160 Val Ser Tyr Ile Ser Gln His Gly Glu Gly Ser Trp Asp Asn Leu Ala
 161 35 40 45
 163 Arg Ala Ala Gly Leu Asn Arg Asn Gly Lys Ser Cys Arg Leu Arg Trp
 164 50 55 60
 166 Leu Asn Tyr Leu Arg Pro Gly Val Arg Arg Gly Ser Ile Thr Ala Gly
 167 65 70 75 80
 169 Glu Asp Thr Val Ile Arg Glu Leu His Ala Arg Trp Gly Asn Lys Trp
 170 85 90 95
 W--> 172 Ser Lys Ile Ser Lys His Leu Pro Gly Arg Thr Asp Asn Glu Xaa Lys
 173 100 105 110
 175 Asn Tyr Trp Arg Thr Arg Ile Gln Gln Glu Glu Gln Gln Gly Ala Lys
 176 115 120 125
 178 Thr Thr Gln Gln Arg Asp Arg Xaa Arg Pro Pro Thr Pro Gly Pro Gly
 179 130 135 140
 181 Asp Asp Tyr Trp Val His Asn Pro Thr Pro Thr Thr Ser
 182 145 150 155
 184 <210> SEQ ID NO: 3
 185 <211> LENGTH: 782

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186 <212> TYPE: DNA

187 <213> ORGANISM: Zea mays

189 <220> FEATURE:

190 <221> NAME/KEY: unsure

191 <222> LOCATION: (3)

192 <223> OTHER INFORMATION: n is a, c, g or t

194 <400> SEQUENCE: 3

W--> 195 acngtctgct gcaggtacgg gccgtaatcc gggtcgacca cgcgtcccga caaagtggca 60
 196 tactcttctc tgtactagct ttcttcttcc tctctcttcc ctcacaaaca gactggattt 120
 197 caacaagata atcctgaaac tggagccaac aagcacacag agaaagaaga gcaagaagac 180
 198 cggctcccag ccgatacaag gtaggagtga gcagcgtagg ttcatcata tcgcataggc 240
 199 gatatgggtga cagtggagaga ggagactcgc aagggggccat ggacagagca ggaggacctg 300
 200 caactgggtat gcaactgtccg tctgttcggg gaacgtcggt gggatttcat tgccaaagta 360
 201 tcaggactca accggacagg caagagctgc cggctgcggg ggggtcaacta cctccaccct 420
 202 ggctcaagc gtgggcgcac gtctcccat gaagagcgcc tcatccttga gctgcacgct 480
 203 cgggtggggaa acaggtgggtc caggatagca cggcgcttgc cagggcgcac tgacaatgag 540
 204 atcaagaact actggaggac acacatgagg aagaaagcac aggagaggaa gaggaacatg 600
 205 tctccatcat catctcatc ttcactgagt taccagtcag gctaccaga tactccatca 660
 206 atcattggag ttaagggaca ggagcttcat ggtggcagtg gctgcatcac aagcatcctg 720
 207 aagggcaccc atccggacat ggatggctat cccatggacc agatatggat ggaattgaag 780
 208 gg 782

210 <210> SEQ ID NO: 4

211 <211> LENGTH: 179

212 <212> TYPE: PRT

213 <213> ORGANISM: Zea mays

215 <400> SEQUENCE: 4

216 Met Val Thr Val Arg Glu Glu Thr Arg Lys Gly Pro Trp Thr Glu Gln
 217 1 5 10 15
 219 Glu Asp Leu Gln Leu Val Cys Thr Val Arg Leu Phe Gly Glu Arg Arg
 220 20 25 30
 222 Trp Asp Phe Ile Ala Lys Val Ser Gly Leu Asn Arg Thr Gly Lys Ser
 223 35 40 45
 225 Cys Arg Leu Arg Trp Val Asn Tyr Leu His Pro Gly Leu Lys Arg Gly
 226 50 55 60
 228 Arg Met Ser Pro His Glu Glu Arg Leu Ile Leu Glu Leu His Ala Arg
 229 65 70 75 80
 231 Trp Gly Asn Arg Trp Ser Arg Ile Ala Arg Arg Leu Pro Gly Arg Thr
 232 85 90 95
 234 Asp Asn Glu Ile Lys Asn Tyr Trp Arg Thr His Met Arg Lys Lys Ala
 235 100 105 110
 237 Gln Glu Arg Lys Arg Asn Met Ser Pro Ser Ser Ser Ser Ser Leu
 238 115 120 125
 240 Ser Tyr Gln Ser Gly Tyr Pro Asp Thr Pro Ser Ile Ile Gly Val Lys
 241 130 135 140
 243 Gly Gln Glu Leu His Gly Gly Ser Gly Cys Ile Thr Ser Ile Leu Lys
 244 145 150 155 160
 246 Gly Thr His Pro Asp Met Asp Gly Tyr Pro Met Asp Gln Ile Trp Met
 247 165 170 175
 249 Glu Leu Lys

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252 <210> SEQ ID NO: 5
253 <211> LENGTH: 601
254 <212> TYPE: DNA
255 <213> ORGANISM: Zea mays
257 <220> FEATURE:
258 <221> NAME/KEY: unsure
259 <222> LOCATION: (451)
260 <223> OTHER INFORMATION: n is a, c, g or t
262 <220> FEATURE:
263 <221> NAME/KEY: unsure
264 <222> LOCATION: (456)
265 <223> OTHER INFORMATION: n is a, c, g or t
267 <220> FEATURE:
268 <221> NAME/KEY: unsure
269 <222> LOCATION: (478)
270 <223> OTHER INFORMATION: n is a, c, g or t
272 <220> FEATURE:
273 <221> NAME/KEY: unsure
274 <222> LOCATION: (480)
275 <223> OTHER INFORMATION: n is a, c, g or t
277 <220> FEATURE:
278 <221> NAME/KEY: unsure
279 <222> LOCATION: (490)
280 <223> OTHER INFORMATION: n is a, c, g or t
282 <220> FEATURE:
283 <221> NAME/KEY: unsure
284 <222> LOCATION: (510)
285 <223> OTHER INFORMATION: n is a, c, g or t
287 <220> FEATURE:
288 <221> NAME/KEY: unsure
289 <222> LOCATION: (542)
290 <223> OTHER INFORMATION: n is a, c, g or t
292 <220> FEATURE:
293 <221> NAME/KEY: unsure
294 <222> LOCATION: (549)
295 <223> OTHER INFORMATION: n is a, c, g or t
297 <220> FEATURE:
298 <221> NAME/KEY: unsure
299 <222> LOCATION: (552)
300 <223> OTHER INFORMATION: n is a, c, g or t
302 <220> FEATURE:
303 <221> NAME/KEY: unsure
304 <222> LOCATION: (554)
305 <223> OTHER INFORMATION: n is a, c, g or t
307 <220> FEATURE:
308 <221> NAME/KEY: unsure
309 <222> LOCATION: (572)
310 <223> OTHER INFORMATION: n is a, c, g or t
312 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/659,869A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 4,99,396,470,486,586,600,612,615,627,632,658,690,716,724,736

Seq#:1; N Pos. 752,758

Seq#:2; Xaa Pos. 111,136

Seq#:3; N Pos. 3

Seq#:5; N Pos. 451,456,478,480,490,510,542,549,552,554,572,578,583,588,595

Seq#:5; N Pos. 601

Seq#:6; Xaa Pos. 101,113,114

Seq#:7; N Pos. 356,374,479,508,532

Seq#:8; Xaa Pos. 42,48

Seq#:15; N Pos. 308

Seq#:16; Xaa Pos. 59

Seq#:17; N Pos. 577,582,583,587

Seq#:21; N Pos. 355,498,534,543,582,597,606,619,634

Seq#:22; Xaa Pos. 53,100,112

Seq#:23; N Pos. 118,298,355,356,374,376,381,386,393,408,409,417,432,453,466

Seq#:23; N Pos. 469,476,477

Seq#:24; Xaa Pos. 13,73,92,93,99,101,103,105,110,113,118,125

Seq#:27; N Pos. 136,229,271,373,382,386,424,475,493,494,511,520,522,531,536

Seq#:27; N Pos. 552,553

Seq#:28; Xaa Pos. 19,20,51,65

Seq#:31; N Pos. 301,356,388,393,470,485,495,513,517,522

Seq#:33; N Pos. 798,807,814

Seq#:42; Xaa Pos. 138

Seq#:45; N Pos. 519,521,530,531,534,800,1124,1151

Seq#:46; Xaa Pos. 142,145,146,147,178

Seq#:51; N Pos. 358,429

Seq#:52; Xaa Pos. 59,72,83

Seq#:55; N Pos. 259,307,319

Seq#:56; Xaa Pos. 21,27,28,41

Seq#:59; N Pos. 108,355,361,392,414,431,434,447,456,459

Seq#:60; Xaa Pos. 27,109,111,122,129

Seq#:61; N Pos. 435,442,450,457

VERIFICATION SUMMARY

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Input Set : A:\BB1294 USCNT Corrected Seq List.txt

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L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
M:341 Repeated in SeqNo=2
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:420
M:341 Repeated in SeqNo=5
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:96
M:341 Repeated in SeqNo=6
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:300
M:341 Repeated in SeqNo=7
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:32
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:300
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:48
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:540
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:300
M:341 Repeated in SeqNo=21
L:928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:48
M:341 Repeated in SeqNo=22
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:60
M:341 Repeated in SeqNo=23
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:120
M:341 Repeated in SeqNo=27
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16
M:341 Repeated in SeqNo=28
L:1480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:300
M:341 Repeated in SeqNo=31
L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:780
L:1868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:128
L:2013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:480
M:341 Repeated in SeqNo=45
L:2072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:128
M:341 Repeated in SeqNo=46
L:2294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:300
M:341 Repeated in SeqNo=51
L:2329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:48
M:341 Repeated in SeqNo=52
L:2465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240
M:341 Repeated in SeqNo=55
L:2492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:16
M:341 Repeated in SeqNo=56
L:2628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60
M:341 Repeated in SeqNo=59
L:2671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16
M:341 Repeated in SeqNo=60
L:2728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:420